



## Proposed Code Change

State Form 41186R

RETURN TO:  
INDIANA DEPARTMENT OF HOMELAND SECURITY  
CODE SERVICES SECTION  
302 W. Washington Street Room W246  
Indianapolis, IN 46204

### FOR OFFICE USE ONLY

Received 7/26/09

Code 62.5.1-09

#### INSTRUCTIONS:

Only TYPED copy accepted.

(KEY – Dashed line through material to be deleted, underline material to be added)

Use second sheet for any material requiring more space.

Code Title Indiana Residential Code		Edition 2009
Section number and title E3902.11		Page 683
Proponent David Kish	Title Homeowner	
Address 210 Floyd Ct., West Lafayette, IN 47906		Phone 765.491.4042
PROPOSED CODE CHANGE (Check One)		
<input checked="" type="checkbox"/> Change to read as follows <input type="checkbox"/> Add to read as follows <input type="checkbox"/> Delete and substitute as follows <input type="checkbox"/> Delete without substitution		
<p><b>E3902.11 Arc-fault circuit-interrupter protection.</b> All branch circuits that supply 120-volt, single-phase, 15- and 20-ampere outlets installed in <del>family rooms, dining rooms, living rooms, parlors, libraries, dens, bedrooms, sunrooms, recreations rooms, closets, hallways and similar rooms or areas</del> shall be protected by a combination type arc-fault circuit interrupter installed to provide protection of the branch circuit.</p>		
REASON AND FISCAL IMPACT		
<p>This section will introduce AFCI protection for dwelling unit bedrooms. At least two deaths resulting from fires where electric arcs were the likely source of ignition were reported in Indiana in 2009. Data presented at the public hearing for LSA #09-139 show the marginal cost increase of \$250 associated with AFCIs will result in approximately 30 fewer home sales in a housing market of 20,000 units. Home suppliers can reduce profits by \$250 to sell these 30 homes; cost impact to suppliers is 30 homes × \$250 = \$7,500.</p> <p>The ultimate \$250 cost of AFCIs is paid by the homeowner; assuming a 30 year mortgage at 6% interest, the cost of this change to the individual homeowner is ≈ \$1.50 per month.</p>		
REVIEW RECOMMENDATION		
Approve		
Disapprove		
Approve as amended		
Further Study		